

Public Health Reports.

(Formerly "Abstract of Sanitary Reports.")

Treasury Department, United States Marine-Hospital Service. Published in accordance with act of Congress approved February 15, 1893.

VOL. XI.

WASHINGTON, D. C., AUGUST 7, 1896.

No. 32.

UNITED STATES.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

The smallpox outbreak at Key West, Fla.

KEY WEST, FLA., July 31, 1896.

SIR: I have the honor to report that there has been no notable change in the state of affairs at the smallpox camp under my charge, since my letter of 28th instant, save the one fact, which I am glad to report, that the rebellious parties seem inclined to submit to discipline, on the point at issue, in disinfection of persons. * * *

Disinfection of premises is proceeding rapidly and very satisfactorily. This work is being done, to the smallest minutiae, under the eye of both Dr. Porter and myself, and both of us are sure that no possible outbreak can follow. All, or nearly all, textiles are being sent to camp for disinfection on account of our desire to remove all trace of disease from the city at the very earliest possible date, this being the surest means of preventing further spread.

Again, we wish to disinfect all houses, if possible, before their former occupants, upon release from camp, may be tempted to surreptitiously enter them, and therefore we remove soiled clothing and bedding to the camp.

We have inspected, and will continue to inspect and pass upon, every suspicious case reported.

I wish to note one point upon which I shall dwell at some length in my final report, viz, we have several cases in which the incubation period has distinctly exceeded three weeks.

It is noteworthy that all cases have very markedly improved since the occupancy of the camp, and the full and free admission of fresh air.

This affair has been attended by many difficulties, but the greatest of these is lack of fresh water, which has to be hauled, at heavy cost, in barrels to camp, and which has forced me to use salt water for baths and for laundry.

Upon final closure of the outbreak, it is my intention to rent a flat-boat, if such be obtainable, fill it with fresh water, float it around the island to the camp, barrel the water, and then use the boat on the beach as a disinfection tank, reserving the fresh water for subsequent use in laundrying better class of textiles.

Regarding the use of the naphtha launches here and the cooperation of the United States Revenue Cutter Service in enforcing quarantine, it may be said that the people have so generally submitted to the law within the past ten days that I am of the opinion that it will be unnecessary to render this aid, at least for the present. At the time I wired there was much rebelliousness and many attempts to escape without vaccination, but this seems past.

Very respectfully,

J. H. WHITE,

Passed Assistant Surgeon, U. S. M. H. S.

KEY WEST, FLA., July 30, 1896.

No new cases; discharged 3 old cases and 2 suspects. Matters taking good shape. Porter and I disinfected three houses to-day.

WHITE,

Passed Assistant Surgeon, U. S. M. H. S.

KEY WEST, FLA., July 31, 1896.

No new cases. Three houses disinfected. * * *

WHITE,

Passed Assistant Surgeon, U. S. M. H. S.

KEY WEST, FLA., August 1, 1896.

No new cases; none discharged. Will send out about 20 during next week.

WHITE,

Passed Assistant Surgeon, U. S. M. H. S.

KEY WEST, FLA., August 3, 1896.

Three new cases in febrile stage; 1 death since Saturday. All in camp. Three houses disinfected to-day.

WHITE,

Passed Assistant Surgeon, U. S. M. H. S.

KEY WEST, FLA., August 4, 1896.

No new cases. We disinfected four houses to-day.

WHITE,

Passed Assistant Surgeon, U. S. M. H. S.

KEY WEST, FLA., August 6, 1896.

No new cases. No deaths to-day.

WHITE,

Passed Assistant Surgeon, U. S. M. H. S.

Quarantine of Chinese steerage passengers at San Francisco, Cal.

ANGEL ISLAND, CAL., July 22, 1896.

SIR: I have the honor to report that we have 44 Japanese and 228 Chinese steerage passengers from the steamship *China*, in quarantine on account of a case of varioloid in one of the Chinese. On the bill of health 9 deaths from plague at Hongkong and 2 cases of cholera at Yokohama were recorded. A case of smallpox broke out in one of the steerage passengers between Kobe and Yokohama, and the man was taken in quarantine at the latter port. One hundred and seventy-three of the quarantined passengers have been revaccinated, and all their baggage and clothing disinfected. They will be detained fourteen days, awaiting developments.

Very respectfully,

M. J. ROSENAU,

Passed Assistant Surgeon, U. S. M. H. S.

*Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, May 9, 1896, to August 6, 1896.**

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile County.....	June 5.....	1		
	July 5.....	1		
Florida:				
Key West.....	June 25-Aug. 3....	32	8	
Pensacola.....	May 20-July 4....	5	2	
	July 11-July 18....	1		
Indiana:				
Indianapolis.....	May 29.....	1		
Louisiana:				
New Orleans.....	May 9-July 18....	83	24	
Shreveport.....	May 16-May 30....	2		
	June 6-June 13....	6		
New York:				
New York.....	May 1-May 31....	1	1	
North Hempstead.....	do.....	1		
Ohio:				
Dayton.....	May 28-June 4....	1	1	
	June 18-June 25....	1	1	
	July 2-July 9....		1	
Tennessee:				
Memphis.....	May 1-May 30....	10		
Shelby County (not including Memphis).....	May 1-May 31....	8	2	
	June 1-June 30....	3		
Tipton County.....	do.....	14	2	
Washington:				
Seattle.....	May 23.....	1		Case occurred April 27; now convalescent.

* For table of smallpox in the United States, etc., December 26, 1895, to May 9, 1896, see PUBLIC HEALTH REPORTS No. 23.

Report of immigration at New York for the week ended August 1, 1896.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, August 1, 1896.

Number of alien immigrants who arrived at this port during the week ended August 1, 1896; also names of vessels and ports from which they arrived.

Date.	Vessel.	Where from.	No. of immigrants.
1896.			
July 26	Steamship La Bretagne.....	Havre.....	194
July 27	Steamship Amsterdam.....	Rotterdam.....	140
July 28	Steamship Georgia.....	Stettin.....	74
Do.....	Steamship Friesland.....	Antwerp.....	262
July 30	Steamship Lahn.....	Bremen.....	181
Do.....	Steamship Hekla.....	Copenhagen, etc.....	212
Do.....	Steamship Patria.....	Hamburg.....	291
Do.....	Steamship Germanic.....	Liverpool and Queenstown.....	199
Do.....	Steamship Karlsruhe.....	Bremen.....	137
July 31	Steamship Bohemia.....	Hamburg.....	208
Do.....	Steamship Normannia.....	do.....	211
Aug. 1	Steamship Karamania.....	Genoa and Gibraltar.....	260
Do.....	Steamship Paris.....	Southampton.....	128
Do.....	Steamship Etruria.....	Liverpool and Queenstown.....	215
	Total.....		2,712

JOHN J. QUINLAN,
Acting Commissioner of Immigration.

*Report of immigration at Philadelphia for the week ended August 1, 1896.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, August 1, 1896.**Number of alien immigrants who arrived at this port during the week ended August 1, 1896 ;
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of im- migrants.
1896.			
July 26	Steamship Carthaginian.....	Glasgow.....	7
July 27	Steamship Holguin.....	Port Antonio.....	2
Do.....	Steamship Pennsylvania.....	Antwerp.....	244
Do.....	Steamship Indiana.....	Liverpool and Queenstown.....	95
July 28	Steamship Laurada.....	Port Antonio.....	2
July 29	Steamship Oranmore.....	London.....	1
	Total.....		351

JAS. L. HUGHES,
Acting Commissioner of Immigration.

QUARANTINE REPORTS.

National quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Brunswick, Ga.....	July 25	Nor. bk. Marie * Sp. bk. Constantia * Sp. bk. J. R. * Br. bk. Meteor * Braz. bk. Stella, bel Marco. Br. ss. Wasst Water * Am. sc. J. Y. Smith...	July 12 July 13 July 14 July 18 July 19 July 25	Trinidad Santos Pernambuco Nassau Santos	Brunswick do do do do	Disinfected do Disinfected and held do Held for disinfection	July 21 July 25		1
Cape Charles, Va.....	Aug. 1	Br. ss. Wasst Water * Am. sc. J. Y. Smith...	July 25	Rio	Hamp ton Roads.	Disinfected.	July 29		5
Del. Breakwater, Del.....	do		Aug. 1	Gilbara	Wilmington, N. C.	Held for disinfection		Remanded from South-port Quarantine.	
Gulf, Ship Island, Miss...	July 25	Nor. bk. Andnm * Br. sc. Iolanthe * Am. sc. Millie Williams.	July 12 July 18 July 19	Rio Vera Cruz do	Ship Island do Pascagoula	Disinfected and held do Disinfected	July 23		4 1
		Am. sc. Magnolia Br. bk. Woodville Nor. bk. Bengal Am. sc. Eleanor Br. ss. Fullwell Am. sc. Lena R. Storey.	July 20 do July 22 July 23 do	Matanzas Bahia Barbados Havana Kingston do	Handboro Pascagoula Ship Island Pascagoula do do	Disinfected and held Held for instructions Disinfected and held do do	do July 24		
Grays Harbor, Wash.....	July 22	Br. ss. Gledhow	July 25	Montevideo	Ship Island	Held for disinfection		No transactions Crew vaccinated	
Key West, Tortugas, Fla	July 18	Am. bk. Olive Thurlow * Br. ss. Teutonia Sp. ss. Carolina	July 2 July 14 July 15	Havana Martinique Cienfuegos	Tampa Punta Gorda Charlotte Harbor Pascagoula	Disinfected Disinfected and held do do	July 15		
Newbern, N. C.....	July 25	Am. sc. Nan M. Dantzler.	July 18	Habana		do		do	
Port Townsend, Wash...	do							No transactions 69 pieces of baggage of Chinese immigrants disinfected.	6
San Diego, Cal.....	do								3

* Previously reported.

QUARANTINE REPORTS—Continued.

National quarantine stations—Continued.

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessels, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
San Francisco, Cal.....	July 25							228 Chinese and 44 Japanese steerage passengers held from ss. China.	
South Atlantic, Sapelo Island, Ga.	do	Br. bkn. Effendi*	July 7	Rio	Savannah	Disinfected.	July 20	Remanded from Southport Quarantine.	
		Por. bk. Sereia*	July 11	do	do	Held for disinfection.			
		Nor. bk. Augusta*	July 15	St. Paul de Loando.	Wilmington, N. C.	do			
		Br. bkn. Darwin*	July 17	Rio	Savannah	do			
		Br. bkn. Ramona*	July 18	do	do	do			
Southport, N. C.	do	Am. sc. J. Y. Smith.	July 22	Gibara.	Wilmington, N. C.	Remanded to Cape Charles Quarantine.	July 25		1
	Aug. 1	Nor. bk. Argo.	Aug. 1	Para	do	Remanded to South Atlantic Quarantine.	Aug. 1	No transactions.	
Washington, N. C.	do								

* Previously reported.

QUARANTINE REPORTS—Continued.

State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Astoria, Oreg.....	July 25	Br. ss. Congo [*]	July 10	Progresso.....	Mobile.....	Disinfected.....	July 13	.....	3
Elizabeth River, Va.....	Aug. 1	Br. ss. Blackheath [*]	July 11	Rio.....	do.....	do.....	July 16	.....	6
Fort Morgan, Ala.....	July 18	Nor bk. Ferda.....	July 12	Santos.....	do.....	Disinfected and held.....	.....	.....	.....
.....	.....	Nor bk. Luise.....	July 13	do.....	do.....	do.....	.....	.....	.....
.....	.....	Rus bk. Antonio.....	do.....	Buenos Ayres.....	do.....	Held for disinfection.....	.....	.....	.....
Kennebunk, Me.....	Aug. 1	.....	.....	.....	.....	.....	.....	No transactions.....	1
New Bedford, Mass.....	do.....	.....	.....	.....	.....	.....	.....	.....	4
New Haven, Conn.....	do.....	.....	.....	.....	.....	.....	.....	.....	7
Newport, R. I.....	do.....	.....	.....	.....	.....	.....	.....	No transactions.....	168
Newport News, Va.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....
New York, N. Y.....	July 25	Am. ss. Yucatan.....	July 20	Tampico, Habana, Mexican ports and Habana.....	New York.....	45 passengers held for observation.....	July 20	.....	.....
.....	.....	Am. ss. Yumuri.....	July 22	do.....	do.....	27 passengers held for observation.....	July 22	.....	.....
.....	.....	Sp. ss. Habana.....	July 24	Habana.....	do.....	14 passengers held for observation.....	July 25	.....	.....
.....	Aug. 1	Am. ss. Orizaba.....	July 27	Tampico, Habana.....	do.....	29 passengers held for observation.....	July 27	.....	125
.....	.....	Am. ss. Saratoga.....	July 28	Mexican ports and Habana.....	do.....	27 passengers held for observation.....	July 28	.....	.....
.....	.....	Br. ss. Herschel.....	July 30	Santos, St. Lucia.....	do.....	Crew held for disinfection and cleansing.....	July 30	.....	.....
Port Royal, S. C.....	July 25†	.....	.....	.....	.....	.....	.....	No transactions.....	1
Providence, R. I.....	Aug. 1	.....	.....	.....	.....	.....	.....	do.....	4
Sabine Pass, Tex.....	July 25	.....	.....	.....	.....	.....	.....	.....	2
.....	Aug. 1	.....	.....	.....	.....	.....	.....	.....	.....

^{*} Previously reported.[†] Correction of report as published in PUBLIC HEALTH REPORTS, No. 31.

Table of temperature and rainfall, week ended August 3, 1896.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	* Excess.	* Deficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	63		3	.84		.34
Portland, Me.....	66	0		.84	.46	
Northfield, Vt.....	64	2		.87		.37
Boston, Mass.....	70	0		.88	.02	
Vineyard Haven, Mass.....	71	1		.64	.56	
Nantucket, Mass.....	69		1	.66	.04	
Woods Hole, Mass.....	69	1		.77	.33	
Block Island, R. I.....	70	0		.77	.43	
New Haven, Conn.....	70	2		1.19		.49
Albany, N. Y.....	72	2		.94	1.66	
New York, N. Y.....	73	1		1.05		.35
Harrisburg, Pa.....	73	3		.98		.28
Philadelphia, Pa.....	75	3		.98		.48
New Brunswick, N. J.....	74	2		1.13		.76
Atlantic City, N. J.....	72	4		.84	.46	
Baltimore, Md.....	76	2		.97		.07
Washington, D. C.....	75	3		.98		.69
Lynchburg, Va.....	77	3		.91		.61
Cape Henry, Va.....	77	5		1.37		.57
Norfolk, Va.....	77	5		1.40		.20
Charlotte, N. C.....	78	4		1.26		1.26
Raleigh, N. C.....	77			1.90		
Kittyhawk, N. C.....	78	2		1.50		.90
Hatteras, N. C.....	79	3		1.51		1.41
Wilmington, N. C.....	79	5		1.75		.55
Columbia, S. C.....	80	6		1.49		1.29
Charleston, S. C.....	81	5		1.82		.12
Augusta, Ga.....	81	5		1.19		1.09
Savannah, Ga.....	81	7		1.56		1.56
Jacksonville, Fla.....	82	4		1.45		.85
Jupiter, Fla.....	82	0		1.05		1.05
Key West, Fla.....	85		1	.91		.81
Gulf States:						
Atlanta, Ga.....	78	6		1.08		.68
Tampa, Fla.....	81	3		2.31		1.01
Pensacola, Fla.....	81	3		1.84	.26	
Mobile, Ala.....	81	1		1.54	1.16	
Montgomery, Ala.....	81	5		.98		.78
Meridian, Miss.....	78	8		1.19	.41	
Vicksburg, Miss.....	82	4		.91		.91
New Orleans, La.....	82	2		1.40		.80
Shreveport, La.....	83	5		.61		.61
Fort Smith, Ark.....	81	9		.91		.91
Little Rock, Ark.....	81	9		.91		.91
Palestine, Tex.....	82	4		.52		.42
Galveston, Tex.....	84	0		.93		.53
San Antonio, Tex.....	83	1		.66		.66
Corpus Christi, Tex.....	82	0		.45		.45
Ohio Valley and Tennessee:						
Memphis, Tenn.....	80	8		.77		.77
Nashville, Tenn.....	78	6		.88		.08
Chattanooga, Tenn.....	78	6		.94		.74
Knoxville, Tenn.....	76	6		.96		.86
Louisville, Ky.....	77	7		.84		.24
Indianapolis, Ind.....	74	4		.88	.62	
Cincinnati, Ohio.....	76	4		.80	1.20	
Columbus, Ohio.....	73	3		.70	1.90	
Parkersburg, W. Va.....	74	4		.98	2.42	
Pittsburg, Pa.....	75	1		.89	.81	
Lake Region:						
Oswego, N. Y.....	68	2		.67	.83	
Rochester, N. Y.....	69	3		.66	.54	
Buffalo, N. Y.....	68	4		.70		.10
Erie, Pa.....	70	2		.66		.36
Cleveland, Ohio.....	70	4		.74	.06	
Sandusky, Ohio.....	72	4		.73		.73
Toledo, Ohio.....	71	5		.63		.43
Detroit, Mich.....	70	3		.67		.67
Lansing, Mich.....	70	2		.67	.13	
Port Huron, Mich.....	68	2		.56	.94	

*The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended August 3, 1896—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Alpena, Mich.....	64	2	.....	.73	.....	.43
Sault Ste. Marie, Mich.....	62	2	.....	.62	.....	.62
Marquette, Mich.....	63	5	.....	.63	.....	.43
Green Bay, Wis.....	68	2	.....	.63	.....	.13
Grand Haven, Mich.....	67	3	.....	.56	.34	.....
Milwaukee, Wis.....	70	4	.....	.63	.....	.63
Chicago, Ill.....	73	3	.....	.74	.....	.54
Duluth, Minn.....	65	5	.....	.77	.....	.57
Upper Mississippi Valley:						
St. Paul, Minn.....	71	3	.....	.73	.....	.13
La Crosse, Wis.....	71	1	.....	.81	.....	.21
Dubuque, Iowa.....	72	2	.....	.81	.19	.....
Davenport, Iowa.....	73	5	.....	.80	.30	.....
Des Moines, Iowa.....	74	2	.....	.77	2.73	.....
Keokuk, Iowa.....	75	3	.....	.81	1.69	.....
Springfield, Ill.....	75	5	.....	.53	.....	.03
Cairo, Ill.....	78	6	.....	.70	.....	.60
St. Louis, Mo.....	79	5	.....	.84	.....	.74
Missouri Valley:						
Columbia, Mo.....	75	7	.....	.88	.....	.88
Springfield, Mo.....	77	7	.....	1.02	.....	1.02
Kansas City, Mo.....	77	5	.....	.91	.....	.91
Wichita, Kans.....	79	5	.....	.66	.....	.26
Concordia, Kans.....	76	4	.....	.70	1.10	.....
Lincoln, Nebr.....	76	0	.....	1.00	.90	.....
Omaha, Nebr.....	75	1	.....	.88	1.62	.....
Sioux City, Iowa.....	73	3	.....	.76	.74	.....
Yankton, S. Dak.....	73	3	.....	.74	.66	.....
Valentine, Nebr.....	71	3	.....	.49	.91	.....
Huron, S. Dak.....	74	.....	2	.67	.23	.....
Pierre, S. Dak.....	77	.....	1	.42	.70	.....
Moorhead, Minn.....	67	3	.....	.74	.....	.54
Bismarck, N. Dak.....	74	.....	4	.49	.....	.29
Williston, N. Dak.....	72	.....	2	.35	.....	.15
Rocky Mountain Region:						
Havre, Mont.....	71	.....	3	.39	.....	.39
Helena, Mont.....	68	.....	2	.14	.06	.....
Miles City, Mont.....	75	.....	1	.28	.....	.28
Rapid City, S. Dak.....	72	4	.....	.35	.....	.35
Spokane, Wash.....	72	.....	4	.04	.....	.04
Wallawalla, Wash.....	76	.....	4	.00	.00	.....
Baker City, Oreg.....	67	.....	3	.07	.03	.....
Winnemucca, Nev.....	72	.....	6	.00	.00	.....
Salt Lake City, Utah.....	78	.....	6	.14	.06	.....
Lander, Wyo.....	71	.....	.....	.14	.....	.....
Cheyenne, Wyo.....	67	1	.....	.42	.....	.22
North Platte, Nebr.....	73	1	.....	.56	.....	.16
Denver, Colo.....	72	2	.....	.35	.....	.35
Pueblo, Colo.....	74	2	.....	.49	.....	.39
Dodge City, Kans.....	77	3	.....	.70	.60	.....
Oklahoma City, Okla.....	80	6	.....	.77	.....	.27
Amarillo, Tex.....	75	3	.....	.52	.....	.52
Abilene, Tex.....	83	3	.....	.45	.....	.45
Santa Fe, N. Mex.....	68	0	.....	.81	.....	.51
El Paso, Tex.....	83	.....	3	.46	.14	.....
Phoenix, Ariz.....	89	1	.....	.25	.50	.....
Pacific Coast:						
Tatoosh Island, Wash.....	57	.....	1	.42	1.58	.....
Port Angeles, Wash.....	57	.....	1	.13	.27	.....
Fort Canby, Wash.....	60	2	.....	.21	.19	.....
Astoria, Oreg.....	64	.....	2	.25	.55	.....
Portland, Oreg.....	68	.....	2	.07	.63	.....
Roseburg, Oreg.....	68	.....	2	.04	.06	.....
Eureka, Cal.....	56	2	.....	.00	.00	.....
Red Bluff, Cal.....	82	6	.....	.00	.00	.....
Carson City, Nev.....	68	.....	6	.00	.20	.....
Sacramento, Cal.....	74	.....	4	.00	.00	.....
San Francisco, Cal.....	60	0	.....	.00	.00	.....
Fresno, Cal.....	83	.....	5	.00	.00	.....
Los Angeles, Cal.....	72	.....	2	.00	.00	.....
San Diego, Cal.....	69	.....	3	.04	.06	.....
Yuma, Ariz.....	94	.....	4	.07	.....	.07

* The figures in these columns represent the average daily departure.

Reports of States and yearly and monthly reports of cities.

CONNECTICUT—*Westport*.—Month of July, 1896. Estimated population, 4,000. Total deaths, 10. No deaths from contagious diseases.

MICHIGAN.—Week ended July 25, 1896. Reports to the State board of health, Lansing, from 61 observers, indicate that dysentery and inflammation of kidney increased and remittent fever decreased in area of prevalence. Phthisis pulmonalis was reported present during the week at 212 places, enteric fever at 42, scarlet fever at 25, whooping cough at 21, measles at 16, and diphtheria at 12 places.

NEW YORK.—Month of June, 1896. Reports to the State board of health from 8 districts, including New York City, Brooklyn, and 150 other cities, towns, and villages, show a total of 9,342 deaths, including phthisis pulmonalis, 1,097; enteric fever, 66; scarlet fever, 50; diphtheria and croup, 362; measles, 140, and whooping cough, 85.

The Monthly Bulletin says:

The reported mortality for the month is 200 less than that of the preceding month, but is 600 greater than that of June, 1895. The death rate for the month was 16.85, against 17.50 in May and 19.30 in April, that of June, 1895, having been 16.10. The customary decrease in the mortality is less than usual, the average daily mortality for the month being in fact greater than in May, 311 against 308, that for June for the past ten years having been 285. Of the 9,342 deaths, 37 per cent occurred under the age of five years, and 18.3 per cent were from zymotic diseases. More than half of the deaths of this class, and nearly 10 per cent of the total mortality, were from diarrheal diseases. The diarrheal mortality of June is very variable, some years the number being less than 500, and others over 1,000, because of the varying earliness of commencement of the summer increase. This month there were 900 deaths, or about 250 more than the average. In the maritime district 12.5 per cent of the total mortality was from this cause, and in the Lake Ontario and Western districts 9 per cent, but in the more rural parts of the State it constituted but from 2 to 4 per cent of the total mortality. From all other zymotic diseases, respectively, there were fewer deaths than in May. From consumption there were 1,100 deaths, which is above the average for the month. Acute respiratory diseases decreased one-half from May, a saving of 600 in the number of deaths, less than 10 per cent of the total mortality being from this cause against 15.5 per cent in May. There is an increase in the reported mortality from diseases of the digestive system, which always varies with the diarrheal mortality. Deaths from all other local diseases are less than in May. Next to November, June is the healthiest month of the year in this State.

NORTH CAROLINA.—Month of June, 1896. Reports to the State board of health from 26 towns having an estimated population of 140,135 (white, 80,972; colored, 56,193), show a total of 264 deaths (white, 131; colored, 133), including phthisis pulmonalis, 33; enteric fever, 15; measles, 6, and whooping cough, 13.

OHIO—*Columbus*.—Month of May, 1896. Estimated population, 100,000. Total deaths, 93, including phthisis pulmonalis, 18; enteric fever, 2; diphtheria, 1, and whooping cough, 1.

Month of July, 1896. Total deaths, 111, including phthisis pulmonalis, 21, and whooping cough, 7.

PENNSYLVANIA—*Plymouth*.—Month of June, 1896. Estimated population, 9,344. Total deaths, 23, including 6 from enteric fever.

Month of July, 1896. Total deaths, 31, including 4 from enteric fever.

PUBLICATIONS RECEIVED.

Annual Report of the Health Officer of the City of Duluth, Minn., Year ended March 31, 1896.

Report of the Bureau of Health of the City of Denver, Colo. 1895.

Compte Rendu des Séances du Conseil d'Hygiene Publique et de Salubrité du Département de la Seine. 1895.

Berättelse Till Kongl. Medicinalstyrelsen om Allmänna Helsotillstandet i Stockholm, under Året, 1895.

Die Gemeinde-Verwaltung der Landeshauptstadt Brün in der Zeit vom September, 1894, bis Ende December, 1895.

FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera and yellow fever as reported to the Supervising Surgeon-General United States Marine-Hospital Service, December 26, 1895, to August 6, 1896.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Argentine Republic:				
Buenos Ayres.....	Dec. 21-Dec. 28...	3	.....
Austria-Hungary.....	Nov. 19-Dec. 2...	43	25	} From outbreak (August 23, 1895) to date 453 cases, 296 deaths.
	Dec. 10-Dec. 30...	21	11	
	Dec. 31-Jan. 27...	16	11	
Egypt:*				
Alexandria.....	Dec. 24-Dec. 31...	.....	1	
	Dec. 29-Apr. 26...	130	115	
	May 1-May 13...	.....	145	
	May 14-May 20...	.....	162	
	May 19-May 28...	.....	202	
	May 29-June 7...	.....	66	
	June 9-June 14...	.....	15	
	June 15-July 13...	.....	60	
Cairo.....	Dec. 7-Dec. 11...	1	2	
	Jan. 10-Jan. 11...	1	1	
	May 7-May 20...	.....	138	
	May 19-May 28...	.....	372	
	May 29-June 7...	.....	246	
	June 9-June 14...	.....	109	
	June 15-July 13...	.....	143	
India:				
Bombay.....	Nov. 19-Dec. 24...	.....	15	
	Jan. 14-Feb. 4...	.....	8	
	Feb. 18-Feb. 25...	.....	1	
	Mar. 3-Mar. 31...	.....	18	
	Apr. 2-Apr. 28...	.....	33	
	Apr. 28-June 30...	.....	307	
Calcutta.....	Nov. 10-Dec. 28...	.....	332	
	Dec. 28-Jan. 4...	.....	41	
	Jan. 4-Jan. 31...	.....	165	
	Feb. 1-Feb. 29...	.....	200	
	Mar. 1-Apr. 25...	.....	1809	
	Apr. 25-May 30...	.....	817	
	May 31-June 20...	.....	139	
Madras.....	June 6-June 13...	.....	3	
Singapore.....	Mar. 1-Mar. 31...	.....	4	
Japan:				
Yokohama.....	Nov. 8-Nov. 15...	1	1	
	June 12-June 19...	1	1	
	June 19-July 3...	3	3	
Chiba Ken.....	Jan. 6-Jan. 25...	20	13	
	Jan. 24-Feb. 16...	23	16	
Ibaraki Ken.....	Jan. 24-Feb. 3...	3	.....
	Feb. 12-Feb. 15...	.....	2	
Fukuoka Ken.....	Feb. 29.....	1	.....
	June 8-July 3...	15	.....
Osaka Fu.....	Apr. 25.....	1	.....
	Apr. 28-May 8...	1	1	
	May 23-May 30...	1	.....
	June 8-June 17...	1	.....
Yamanashi Ken.....	June 24-July 13...	3	.....
Saitama Ken.....	June 24-July 3...	1	.....
Okayama Ken.....	do.....	1	.....
Ishikawa Ken.....	do.....	2	.....
Kioto Fu.....	June 17-July 3...	2	1	
Hiogo Ken.....	do.....	2	.....
Kagawa Ken.....	do.....	1	.....
Kanagawa Ken.....	do.....	5	4	
Miyagi Ken.....	do.....	2	2	
Shidzuoka Ken.....	do.....	2	.....
Yamaguchi Ken.....	do.....	1	1	
Shimane Ken.....	Apr. 18.....	1	.....

*To date of July 13, 11,679 cases of cholera, with 9,623 deaths, have been reported throughout Egypt, and during the period from July 5 to July 13, 1896, there were 2,461 deaths from cholera in Egypt, exclusive of the cities of Alexandria and Cairo.

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Japan—Continued.</i>				
Tokyo Fu	Apr. 17.....	1	1	
	June 8-June 17...	4	.....
	June 24-July 3...	19	4	
Gumma Ken.....	.....do.....	1	.....
Kochi Ken.....	.....do.....	1	.....
Tochigi Ken.....	.....do.....	1	.....
Wakayama Ken.....	.....do.....	1	.....
Yamaguchi Ken.....	.....do.....	1	.....
Yehime Ken.....	June 8-July 3...	2	.....
<i>Morocco:</i>				
Casa Blanca.....	Jan. 11.....	.....	.....	Cholera reported.
Mazagan.....	.....do.....	.....	.....	Do.
Stellen.....	Dec. 15.....	.....	13	
<i>Russia:</i>				
Kiev (government).....	Oct. 13-Nov. 11...	156	64	
	Nov. 11-Dec. 21...	82	24	
	Dec. 22-Jan. 11...	10	5	
	Jan. 12-Jan. 25...	12	14	
St. Petersburg (government)	Nov. 17-Dec. 7...	21	.....
	Dec. 8-Dec. 28...	27	11	
	Dec. 29-Jan. 11...	8	8	
	Jan. 12-Jan. 25...	3	.....
	Feb. 1-Feb. 8...	2	.....
Volhynia (government).....	Oct. 13-Nov. 10...	2,297	952	
	Nov. 10-Nov. 30...	609	294	
	Dec. 1-Dec. 14...	104	55	
	Dec. 14-Dec. 28...	24	12	
	Dec. 29-Jan. 11...	.....	1	
<i>Turkey:</i>				
Constantinople.....	Dec. 17-Jan. 15...	3	3	Reports dated January 21, 1896, state "about 1 death per week."
Brena.....	Jan. 17.....	.....	.....	Cholera reported.
Bitlis and Seert	Jan. 15-Jan. 20...	11	7	
Diarbekir	Jan. 16.....	.....	.....	Cholera reported in 3 localities.
Gazran.....	Dec. 21-Jan. 14...	67	42	

YELLOW FEVER.

Argentine Republic :					
Buenos Ayres.....	Mar. 1-Mar. 31...	.....	5	On vessels from Rio de Janeiro.	
	Apr. 1-Apr. 30...	.....	3		
Brazil:					
Ceara	Nov. 30.....	1	1		
	Dec. 24-Dec. 31...	.....	4		
	Mar. 1-Mar. 31...	.....	3		
Rio de Janeiro	Nov. 9-Nov. 30...	.....	43		
	Dec. 1-Dec. 28...	.....	136		
	Dec. 28-Jan. 11...	.....	190		
	Jan. 11-Feb. 1...	.....	382		
	Feb. 1-Feb. 8...	.....	111		
	Feb. 8-Feb. 29...	.....	594		
	Mar. 1-Mar. 14...	.....	468		
	Mar. 14-Mar. 28...	.....	459		
	Mar. 28-Apr. 11...	.....	305		
	Apr. 11-June 27...	.....	376		
Nitheroy.....	Apr. 21.....	.....	.....	Yellow fever reported.	
Pernambuco.....	Nov. 1-Nov. 15...	8	.....	
	Apr. 1-Apr. 30...	.....	8		
	May 1-May 31...	.....	2		
Bahia.....	Mar. 31.....	.....	.....	Do.	
Sao Paulo.....	.....do.....	.....	.....	Do.	
	Jan. 1-Jan. 31...	5	3		
Araraguara	Apr. 4.....	.....	.....	Do.	
Belem.....	.....do.....	.....	.....	Do.	
Bicas .....	.....do.....	.....	.....	Do.	
Barrado Pirahy .....	.....do.....	.....	.....	Do.	
Campinas.....	Apr. 7-May 5...	115	.....	Do.	
Casa Branca.....	May 5.....	.....	.....	Do.	
Descalvado.....	Apr. 4.....	.....	.....	Do.	
Dores de Pirahy	Apr. 11.....	.....	.....	Do.	
Iahu.....	Apr. 4-May 5...	.....	.....	Do.	
Iaboticabal.....	.....do.....	.....	.....	Do.	
Limeira.....	.....do.....	.....	.....	Do.	
Leopoldina.....	Apr. 11.....	.....	.....	Do.	
Parahybuna.....	Apr. 4.....	.....	.....	Do.	

Cholera and yellow fever, etc.—Continued.

YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil—Continued.				
Porto Novo.....	Apr. 11.....	.....	.....	Yellow fever reported.
Sao Carlos de Pinhal.....	Apr. 4.....	.....	.....	Do.
San Jose Nepomuceno.....	.....do.....	.....	.....	Do.
Santos.....	Apr. 4-May 5.....	.....	.....	Do.
Parahyba do Sul Valenca.....	.....do.....	.....	.....	Do.
Rio Claro.....	.....do.....	.....	.....	Do.
Sorocaba.....	.....do.....	.....	.....	Do.
Uba.....	Apr. 11.....	.....	.....	Do.
Valenca.....	Apr. 4.....	.....	.....	Do.
Vassouras.....	.....do.....	.....	.....	Do.
Volta Grande.....	.....do.....	.....	.....	Do.
Cuba:				
Cardenas.....	June 6-June 27...	13	4	
	June 27-July 25...	39	14	
Cienfuegos.....	Dec. 8-Dec. 22.....	.....	2	
	Dec. 29-Jan. 19.....	.....	5	
	Feb. 16-Feb. 23.....	.....	1	
	Apr. 19-May 3.....	1	1	
	May 25.....	1	.....
	June 1-June 7.....	9	2	
	June 14-June 28.....	.....	9	
	June 28-July 27.....	.....	39	
Habana.....	Nov. 28-Dec. 19.....	40	14	
	Dec. 26-Jan. 2.....	7	3	In military hospital
	Jan. 2-Mar. 28.....	40	14	
	Apr. 2-Apr. 30.....	.....	13	
	May 1-May 28.....	53	26	
	May 28-June 18.....	59	29	
	June 18-June 25.....	21	9	
	June 25-July 9.....	105	45	
	July 9-July 23.....	115	46	
	July 23-July 30.....	90	40	
Manzanillo.....	Mar. 15-Mar. 31.....	.....	2	
Matanzas.....	June 17-June 24.....	56	42	
	June 24-July 8.....	124	85	
	July 8-July 22.....	200	99	
Santiago.....	Dec. 7-Dec. 21.....	.....	29	
	Dec. 21-Dec. 28.....	.....	12	
	Dec. 28-Jan. 4.....	.....	15	
	Jan. 4-Feb. 15.....	.....	47	
	Feb. 22-Feb. 29.....	.....	15	
	Mar. 1-Apr. 4.....	.....	20	
	Apr. 4-May 30.....	.....	22	
	June 1-June 6.....	.....	2	
	June 6-June 27.....	.....	14	
	June 27-July 4.....	.....	7	
	July 4-July 25.....	.....	50	
Sagua la Grande.....	Dec. 1-Dec. 21.....	45	3	
	Dec. 25-Jan. 25.....	31	6	
	Feb. 1-Feb. 15.....	8	.....
	Mar. 13-Mar. 20.....	5	.....
	Apr. 4-Apr. 11.....	.....	3	
	May 11-May 18.....	.....	.....	Yellow fever reported.
	May 25-June 6.....	.....	30	Yellow fever reported among troops.
	June 6-June 27.....	171	14	
	July 4-July 18.....	124	15	
Mexico:				
Acapulco.....	July 11-July 18.....	1	.....
Tuxpan.....	Jan. 11-Jan. 25.....	.....	4	
Vera Cruz.....	May 21-May 28.....	5	.....
	May 28-June 5.....	.....	.....	Yellow fever reported.
	July 29.....	3	.....
Peru:				
Callao.....	Apr. 5.....	2	2	On vessels from Guayaquil.
Puerto Rico:				
San Juan.....	Nov. 29-Dec. 20.....	63	23	
	Dec. 20-Jan. 17.....	104	24	
	May 1-May 31.....	14	4	
	June 1-June 30.....	15	1	

Current quarantine measures.

[Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, July 8 and 15, 1896.]

CHOLERA.

BELGIUM.—By ministerial order of June 19, the royal proclamation forbidding importation and transportation of rags and personal clothing is applied to all articles arriving from the Delta of the Nile. These are required to be disinfected at the sanitary stations in the Scheld and at the large ports of Ostend and Nieuport, according to the requirements of the Dresden convention.

TURKEY.—By circular letter of the sanitary authorities at Constantinople, vessels carrying pilgrims from the Hedjaz to Turkish ports shall be provided by the sanitary inspector at Djeddah with physicians, guards, and pilot, who shall accompany the vessels to which they are assigned as far as Suez. During the voyage through the canal they are forbidden to take in drinking water supply from any Turkish port, and are allowed to take on coal and certain provisions only in case of pressing necessity and under sanitary inspection. At the conclusion of the passage they shall repair to a Turkish lazaretto and there undergo forty-eight hours' quarantine of observation, with disembarkation of pilgrims and disinfection of their effects. Passengers suffering from abdominal symptoms shall be kept in hospital until perfectly cured. Vessels which have made the passage of the canal with sanitary guards and pilot, and which have undergone five days' quarantine, shall be given free pratique to Ottoman ports. Vessels which, during the passage of the canal, have held communication with any Egyptian port, before repairing to Djeddah with the object of taking on board pilgrims, must undergo quarantine at the lazaretto of Abou Saad, according to previous regulations and with the understanding that they are destined for foreign ports. Vessels leaving Djeddah for Suez with Egyptian pilgrims, whose disembarkation has been performed at Djeddah under sanitary conditions, may, on their return to Djeddah, take on pilgrims, provided that these are landed at the lazaretto of Abou Saad. Vessels which have held no communication with Suez and have landed their Egyptian pilgrims under sanitary inspection may be given free pratique to Yambo.

BULGARIA.—According to official advices of June 25 the sanitary authorities have issued the following instructions: Vessels arriving from Egyptain or other infected ports, without having been subjected at Constantinople or elsewhere to quarantine, shall be treated as infected, and shall be subjected to all the quarantine measures prescribed in the Bulgarian ports of the Black Sea. Pilgrim vessels are in like manner subjected to quarantine. If the pilgrims have undergone quarantine in Constantinople they shall be permitted to land after strict sanitary inspection of their persons and effects.

All packages and boxes shall be opened, stained clothing shall be burned, and personal clothing that has been used shall be disinfected. The pilgrims themselves shall be subjected to official observation in their dwellings.

The port of Baltchik has been closed as an infected port against ships and barks since May 17.

PLAGUE.

JAPAN.—By ministerial order of May 20, medical inspection of all vessels arriving from Formosa and the Pescadores Islands is ordered.

The inspection station for Yokohama is Kanagawa Ken, disinfection being required at the ports of Kuchinot Su, Moji, Missenni, and Karat Su. Vessels are required to repair to the nearest quarantine station.

YELLOW FEVER.

URUGUAY.—According to advices of May 28, the national sanitary council has suspended quarantine regulations against Rio de Janeiro and Santos. Vessels arriving from the said ports are subject only to medical inspection.

Cholera notes.

[Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, July 8 and 15, 1896.]

EGYPT—From June 21 to 24, 13 cases and 10 deaths were reported at Alexandria. The total number of cases and deaths reported up to that date is 794 and 669, respectively. From June 25 to June 30, 14 cases, 11 deaths; in all, from October, 1895, to June 30, 1896, 808 cases, 678 deaths. At Cairo, from June 19 to 23, 6 cases, 25 deaths; from June 24 to 29, 12 cases, 22 deaths. At Ghizeh, from June 18 to 23, 1 case, 9 deaths; from June 29 to July 12, 3 deaths. At Taurah, from June 18 to 23, 2 deaths. At Fuah, 21 cases, 24 deaths. At Damietta, from June 18 to 23, 1 case, 4 deaths; from June 24 to 29, 4 cases, 10 deaths. At Zagazig, from June 18 to 23, 11 cases, 8 deaths; from June 24 to 29, 15 cases, 23 deaths. At Beni Souef, from June 18 to 23, 1 death; from June 24 to 29, 1 death. At Mehellet Kehir, from June 18 to 23, 9 cases, 8 deaths; from June 24 to 29, 10 cases, 7 deaths. In the Dessauk district, from June 18 to 23, 83 cases, 68 deaths; from June 24 to 29, 200 cases, 144 deaths. In the district of Senaurés from June 18 to 23, 38 cases, 44 deaths; from June 24 to 29, 42 cases, 87 deaths. In the city of Assuan, on June 29, 21 cases, 11 deaths. In all Egypt, from October, 1895, to June 30, 1896, 6,899 cases and 5,679 deaths were reported. At Suakim 1 case was reported among Indian troops.

EAST INDIES—*Calcutta*.—From May 24 to May 30 there were 71 cholera deaths; from May 31 to June 6, 49 deaths.

CUBA.

Yellow fever and smallpox in Cuban seaports.

Under date of July 27 the United States consul at Cardenas reports that during the week ended July 25 there were 10 cases of yellow fever and 3 deaths therefrom in that city.

The United States consul at Cienfuegos reports 19 deaths from yellow fever and 36 deaths from smallpox in Cienfuegos during the week ended July 26.

The United States sanitary inspector at Habana reports that there were 40 deaths in that city from yellow fever during the week ended July 30.

The United States consul at Matanzas reports that during the week ended July 22 there were in Matanzas over 100 cases of yellow fever, with 54 deaths from that disease. He states that yellow fever is confined to the Spanish troops. No cases in the harbor; hospitals overcrowded.

Sanitary report from Santiago.

SANTIAGO DE CUBA, July 25, 1896.

SIR: I have the honor to inform you that 106 deaths have taken place at Santiago de Cuba during the week ended Saturday, July 25. Of these, 7 were from yellow fever, 30 from smallpox, 16 from pernicious fever, 5 from remittent fever, 14 from enteritis, 3 from dysentery, and the rest from noncontagious diseases. Smallpox has decreased somewhat during this week, so has yellow fever; this can be accounted for by the fact that we have no troops in the city just now, as they are operating in the country, and garrison duty is performed by native volunteers. There is hardly anyone left liable to contract smallpox, and the epidemic will gradually disappear from want of material. Malaria is causing many deaths, especially the pernicious form of the fever, which lasts only a few hours and generally ends fatally. Dysentery and diarrhea are also very common at present.

Respectfully, yours,

HENRY S. CAMINERO, M. D.,
Sanitary Inspector, U. S. M. H. S.

EGYPT.

Cholera increasing in Egypt.

The following report on the prevalence of cholera in Egypt has been received in this office:

Notwithstanding the energetic measures taken by Dr. Rogers Pasha, the present proportions of the cholera outbreak appear to show that the disease has got beyond the control of the sanitary authorities. It is no reflection upon Rogers Pasha, or the able members of the staff who are assisting him, to suggest that the cholera has now got out of hand. For nine months they have fought it with an energy and a success that have gained for them an admiring recognition from all quarters of the country. As long as the infected areas were comparatively small, the efforts of the limited staff of European doctors at the disposal of Rogers Pasha were sufficient to stamp it out in place after place. The cases of Cairo and Alexandria alone stand out as marvellous examples of what has been done in this way. Now, however, the dimensions of the outbreak forbid the possibility of any successful attempt to stamp out the disease.

To show the futility of any hope of arresting its course at present, I find that during the week before last fresh outbreaks occurred in 69 different places, and last week in 87. During the seven days up to the 1st instant 1,200 deaths were reported, and in the following six days, 1,700 deaths.

Eight thousand and sixty-nine deaths have already occurred from the present outbreak, and I fear that these figures will be largely increased before the disease runs its course.

The figures for the 8 days ended July 13, were as follows:

Deaths in Alexandria, 24; deaths in Cairo, 32; deaths throughout Egypt, 2,461. Total deaths from beginning of outbreak, 9,623.

MEXICO.

Smallpox in Vera Cruz.

VERA CRUZ, MEXICO, July 29, 1896.

SIR: Confirming my telegram of yesterday, I beg to report that yellow fever has appeared in this port; there are 3 cases, 2 at the port works adjoining the city and 1 in the city. So far no deaths have been reported.

I am, General, very respectfully, your obedient servant,
CHARLES SCHAEFER,
United States Consul.

PERU.

Report on smallpox in Callao and Lima.

CALLAO, PERU, June 25, 1896.

SIR: I have the honor to advise you that smallpox may now be said to have attained an epidemic form in Callao. The growth of this disease, as officially reported, has been as follows: Deaths—1895: 3. 1896: January, 2; February, 5; March, 9; April, 24; May, 31; June, to 21st, 43; total to June 21, 117.

The number of cases has never been officially reported. Recent unofficial reports placed the number of cases in the various stages at upward of 400.

For Lima, the data, thus far published in condensed form, are as follows: Deaths—1895: October, 4; November, 14; December, 28. 1896: January, 55; February, 48; March, 38; total to March 31, 187.

A vaccinal institute has been in active operation since the outbreak of the disease in Lima. It has furnished quantities of animal lymph, with which, on three days per week, surgeons have vaccinated, free of charge, all persons applying. In addition, the city has been divided into districts, where free vaccination has been administered by other surgeons every day except Sundays. By these means about 4,000 free vaccinations have been administered per week for several weeks past. Up to April 15, 17,623 free vaccinations had been officially reported. The number in private practice has not been ascertained, but it is believed to have been large.

It is to be regretted that the application of sanitary measures has not been so prompt in Callao; hence, the sudden alarming proportions lately attained by the disease. Vaccination, however, is now progressing rapidly, in conjunction with other measures, and there is reason to hope that the declining stage will soon be reached.

On December 7, ultimo, I began to note the progress of smallpox in Lima and Callao, in the weekly sanitary reports forwarded by this consulate, and thereafter, also, in all the bills of health issued to vessels leaving for ports in the United States.

I am also instructing the masters of all vessels bound for the United States ports to have all persons aboard who may be liable to take the disease vaccinated before embarkation.

I am, sir, your obedient servant,
LEON JASTREMSKI,
United States Consul.

Hon. ASSISTANT SECRETARY OF STATE.

TURKEY.

Sanitary report.

[Report No. 155.]

CONSTANTINOPLE, *July 9, 1896.*

According to the official sanitary reports, forwarded by the provincial sanitary authorities of the Turkish Empire, dysentery exists in Diarbekir, as well as smallpox. In Smyrna, besides these two epidemics, diphtheria also exists. It is stated from Bassora that rivers have overflowed and covered a large part of that country, and that a large part of the cattle have been destroyed. From Mecca it is stated that a large number of deaths have occurred there, of which many are due to dysentery, especially among the troops. It was in the month of last February that these deaths occurred. Later reports state that they have already begun to water the streets of Mecca. A cablegram from the island of Camaran (Red Sea) announces that distilled water is now supplied by the distillatory apparatus (see my report No. 139 of 26th of October). It supplies 50 tons of distilled water in twenty-four hours.

The latest intelligence from Egypt states that from the 28th of last June up to the 4th of July, 18 cholera deaths were registered in Alexandria. From Cairo it is stated that from the 27th of last June up to the 3d instant, 29 cholera deaths were registered. In the same space of time there have been registered 1,171 cholera deaths in other places in Egypt, where, since the beginning of the cholera epidemic, 6,425 cholera deaths have been registered. It has been officially stated that cholera broke out at Akasheh, on the Soudan boundary line, and at Suakim, on the Red Sea, among the Indian troops.

In Constantinople there are many cases of measles and diphtheria. The latter disease exists also in two of the four Prinkipo Islands, namely, Prinkipo and Halki, where many inhabitants of Constantinople go to pass the summer.

SPIRIDION C. ZAVITZIANO.

STATISTICAL REPORTS.

CUBA—*Habana*.—Under date of August 1, 1896, the United States sanitary inspector reports as follows:

There were 246 deaths in this city during the week ended July 30, 1896. Forty of those deaths were caused by yellow fever, with approximately 90 new cases; 13 were caused by enteric fever, 6 by so-called pernicious fever, 2 by paludal fever, 1 by diphtheria, 10 by dysentery, 15 by enteritis, 1 by cholera infantum, 22 by smallpox, 2 by measles, 30 by tuberculosis, and 2 by pneumonia. Of these 40 deaths of yellow fever, 33 occurred among the Spanish troops in the military hospital.

FRANCE—*Nantes*.—Month of June, 1896. Estimated population, 125,757. Total deaths, 238, including enteric fever, 6; measles, 28, and whooping cough, 2.

Nice.—Month of June, 1896. Estimated population, 108,227. Total deaths, 127, including phthisis pulmonalis, 22, and diphtheria and croup, 1.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 33 great towns of England and Wales during the week ended July 18, correspond to an annual rate of 21.4 a thousand of the aggregate population, which is estimated at 10,846,971. The highest rate was recorded in Salford, viz, 31.9 and the lowest in Halifax, viz, 13.2 a thousand.

London.—One thousand eight hundred and ninety-one deaths were registered during the week, including measles, 52; scarlet fever, 20; diphtheria, 55; whooping cough, 60; enteric fever, 2; typhus fever, 1, and diarrhea and dysentery, 343. The deaths from all causes correspond to an annual rate of 22.3 a thousand. In greater London 2,391 deaths were registered, corresponding to an annual rate of 20.2 a thousand of the population. In the "outer ring" the deaths included 9 from diphtheria, 16 from measles, 25 from whooping cough, and 4 from scarlet fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended July 18 in the 16 principal town districts of Ireland was 23.2 a thousand of the population. The lowest rate was recorded in Drogheda, viz, 0.0, and the highest in Kilkenny, viz, 42.5 a thousand. In Dublin and suburbs 179 deaths were registered, including scarlet fever, 3; whooping cough, 4; enteric fever, 2, and typhus fever, 1.

Dublin.—Three months ended June 27, 1896. Estimated population, 349,594. Total deaths, 2,027, including smallpox, 2; typhus fever, 2; enteric fever, 8, and scarlet fever, 17.

Scotland.—The deaths registered in 8 principal towns during the week ended July 18 correspond to an annual rate of 18.1 a thousand of the population, which is estimated at 1,518,347. The lowest mortality was recorded in Aberdeen, viz, 14.5, and the highest in Greenock, viz, 26.1 a thousand. The aggregate number of deaths registered from all causes was 529, including scarlet fever, 10; measles, 39; whooping cough, 24, and diphtheria, 2.

SPAIN—*Barcelona.*—Month of June, 1896. Estimated population, 440,000. Total deaths, 806, including smallpox, 35; diphtheria, 45; enteric fever, 19, and phthisis pulmonalis, 79.

NOVA SCOTIA—*Windsor.*—Month of July, 1896. Estimated population, 3,000. Total deaths, 3. No deaths from contagious diseases.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Acapulco.....	July 18.....	5,000	7								
Aix la Chapelle.....	July 11.....	111,305	49								
Amherstburg.....	July 25.....	2,300	1								
Amsterdam.....	July 18.....	488,534	196					1	2	3	11
Antigua.....	July 4.....	36,119	3								
Do.....	July 11.....	36,119	16								
Do.....	July 18.....	36,119	10								
Belize.....	July 24.....	13,000	3								
Birmingham.....	July 18.....	501,241	220						2	1	2
Bologna.....	do.....	148,143	95								
Bombay.....	June 30.....	821,764	544	19	13						4
Bradford.....	July 18.....	221,610	64						1		
Bremen.....	July 11.....	142,000	46						1	1	
Bristol.....	July 18.....	230,623	74					1	1	2	1
Brussels.....	July 11.....	507,985	164					1	1		6
Budapest.....	July 15.....	600,000								4	
Calcutta.....	June 20.....	681,560	313	29	1			1			1
Callao.....	July 5.....	25,000	35		10						
Cape Town.....	June 26.....	57,500	30							1	
Cardenas.....	July 25.....	23,517	26		3			2			
Cardiff.....	July 18.....	163,690	53							1	2
Catania.....	July 14.....	120,000	66						5	1	
Do.....	July 21.....	120,000	65			1	4	3			
Chatham.....	July 25.....	9,052	2					1			
Cienfuegos.....	July 26.....	24,020	90		19	36					
Cognac.....	July 18.....	21,000	5							4	8
Cologne.....	July 11.....	325,887	158								3
Colombo.....	June 20.....	130,000	85								
Do.....	do.....	130,000	78								
Copenhagen.....	July 4.....	333,714	91					1	1	4	
Demerara.....	June 6.....	53,176	33								
Do.....	June 13.....	53,176	28								
Do.....	June 20.....	53,176	36					2			
Do.....	June 27.....	53,176	38								
Dresden.....	July 4.....	336,440	121						2	1	
Do.....	July 11.....	336,440	118								3
Dublin.....	July 19.....	350,000	179						1		4
Dusseldorf.....	July 11.....	180,825	88								
Edinburgh.....	July 18.....	276,514	83					1	3	1	4
Flushing.....	do.....	16,300	5								
Frankfort.....	do.....	233,000	78						2		2
Funchal.....	July 11.....	35,665	35					10			
Genoa.....	July 18.....	211,231	109								
Ghent.....	July 11.....	157,214	74						1	4	
Gibraltar.....	July 10.....	25,800	8								
Girgenti.....	July 4.....	24,428	15								
Do.....	July 11.....	24,428	16							1	
Glasgow.....	July 18.....	705,052	259					5	1		36
Gothenburg.....	July 11.....	114,000	26						1		
Guayaquil.....	July 17.....	50,000	49					17			
Halifax.....	July 25.....	38,700	10								
Hamburg.....	July 18.....	625,552	209						2	1	5
Habana.....	July 16.....	198,620	272		22	23		24		1	4
Do.....	July 23.....	198,620	229		24	20		10			4
Honolulu.....	June 27.....	28,000	9					1			
Do.....	July 4.....	28,000	20								1
Do.....	July 11.....	28,000	9								1
Do.....	July 18.....	28,000	15								
Konigsberg.....	do.....	171,700									1
Leeds.....	do.....	395,546	166					2	3		3
Leghorn.....	do.....	103,507	44					1			7
Leith.....	do.....	74,110	22					2	2	1	
Licata.....	July 11.....	20,000	20			4		2			
Liege.....	July 18.....	160,848	44						1		3
Liverpool.....	do.....	641,063	328					1	7	3	2
London, Canada.....	July 25.....	31,439	9								
London, England.....	July 18.....	6,178,376	2,391					7	24	64	
Lyons.....	July 11.....	500,000	182					2	1	1	3
Madras.....	June 24.....	452,518	300			3					11
Manchester.....	July 18.....	531,697						2	3	3	8
Mannheim.....	July 11.....	88,400	46								11
Maracaibo.....	do.....	50,000	32								
Matamoros.....	July 21.....	8,000	2								
Matanzas.....	July 22.....	55,000	69	54				3			3

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Mayence	July 11	74,917	22								2
Do.	July 18	74,917	35						1		
Messina	do.	107,000	25								
Monte Cristy	July 25	1,200	1								
Moscow	July 4	800,000	830				3	1	8	11	25
Munich	July 11	406,000	208							5	
Naples	June 27	542,396	197		1			2			
Do.	July 4	542,396	192		2			5			
Do.	July 11	542,396	210		4			3			
Do.	July 18	542,396	185		3			6			
Newcastle on Tyne	do.	212,223	61								2
Nuremberg	June 27	163,072	49					1			
Do.	July 4	165,283	68							1	2
Odessa	July 11	353,000	192			3	2	1	11	2	3
Palermo	do.	273,000	115								
Paris	July 18	2,511,955	960					7	9	10	14
Paso del Norte	July 21	6,500	0								
Plymouth	July 18	89,686	40					1			2
Puerto Cortes	July 22	1,856	0								
Quebec	July 25	70,000								1	
Queenstown	June 27	15,000	1								
Do.	July 4	15,000	3								
Do.	July 11	15,000	5								
Rheims	do.	108,943	44							1	
Do.	July 18	108,943	53								1
Rotterdam	do.	280,930	96								
Sagua la Grande	do.	17,536	31		8						
St. Petersburg	July 11	954,400	* 624		4		33	21	5	19	3
St. Stephens	July 25	3,000	0								
Schiedam	July 18	26,233	14							5	
Sheffield	do.	348,706	157					3		8	2
Sonneberg	June 21	12,250	2								
Do.	June 28	12,250	3								
Southampton	July 4	94,093	31					2		3	1
Do.	July 11	94,093	29					2		4	
Do.	July 18	94,093	29					1		4	
South Shields	do.	92,773	61								2
Stockholm	July 11	267,100	66							1	3
Do.	July 18	267,100	92							1	5
Stuttgart	July 16	158,378	46								
Sunderland	July 18	140,386	117					1	1	4	2
Tegucigalpa	July 11	14,000	6								
Trapani	do.	43,095	11								
Trieste	do.	158,314	75							1	3
Tuxpan	do.	12,280	5								
Venice	do.	161,480	74						1		
Do.	July 18	161,480	59					1			
Vera Cruz	July 23	27,065	31								
Warsaw	July 4	553,643	243			2	3	1	8	2	11
Do.	July 11	553,643	236						11	2	13
Yarmouth	Aug. 1	6,087	4					1			
Yokohama	June 26	126,685			1						
Zurich	July 11	145,000								1	1

* One death from plague.

By authority of the Secretary of the Treasury :

WALTER WYMAN,
Supervising Surgeon-General U. S. Marine-Hospital Service.